PERGAMON

Topology 40 (2001) 1123

TOPOLOGY

www.elsevier.com/locate/top

Erratum

Erratum to "Genus inequalities and four-dimensional surgery" [Topology 39 (2000) 311–330]☆

Ronnie Lee[a,*], Dariusz M. Wilczyński[b]

[a]*Department of Mathematics, Yale University, 10 Hillhouse Avenue, PO Box 208283, New Haven, CT 06520-8283, USA*
[b]*Department of Mathematics and Statistics, Utah State University, Logan, UT 84322-3900, USA*

The authors wish to thank Christian Bohr and Dieter Kotschick for pointing out that a hypothesis was missing in Corollaries 2.2, 2.3, and Theorem 2.5. The corrected statements read as follows.

Corollary 2.2. *If d is even and $[H^1(\Gamma)]_j = 0$ for each $0 < j < d$, then*

$$2g - 2 \geqslant -\chi(X) + |\sigma(X) - \alpha\cdot\alpha/2|. \tag{2.4}$$

Corollary 2.3. *If d is odd and $[H^1(\Gamma)]_j = 0$ for each $0 < j < d$, then*

$$2g - 2 \geqslant -\chi(X) + |\sigma(X) - (d^2 - 1)(1/2d^2)\alpha\cdot\alpha|. \tag{2.5}$$

Theorem 2.5. *If $H_1(X;\mathbf{Z}) = 0$, then $m_1(\alpha) = m_2(\alpha)$.*

In addition, the commutator quotient π/π' in Lemma 3.2 should be assumed cyclic.
On p. 313, line 9: $H_1(X;\mathbf{Z}) - 0$ should replace $H_1(X;\mathbf{Q}) = 0$.
On p. 330, line 5: $\cdot\,\xi$ should be replaced by $\cdot\,\tilde{\xi}$.

* Corresponding author.
E-mail addresses: rlee@math.yale.edu (R. Lee), dariusz@math.usu.edu (D.M. Wilczyński).
☆PII of the original article: S0040-9383(99)00017-8

PII: S0040-9383(00)00008-2